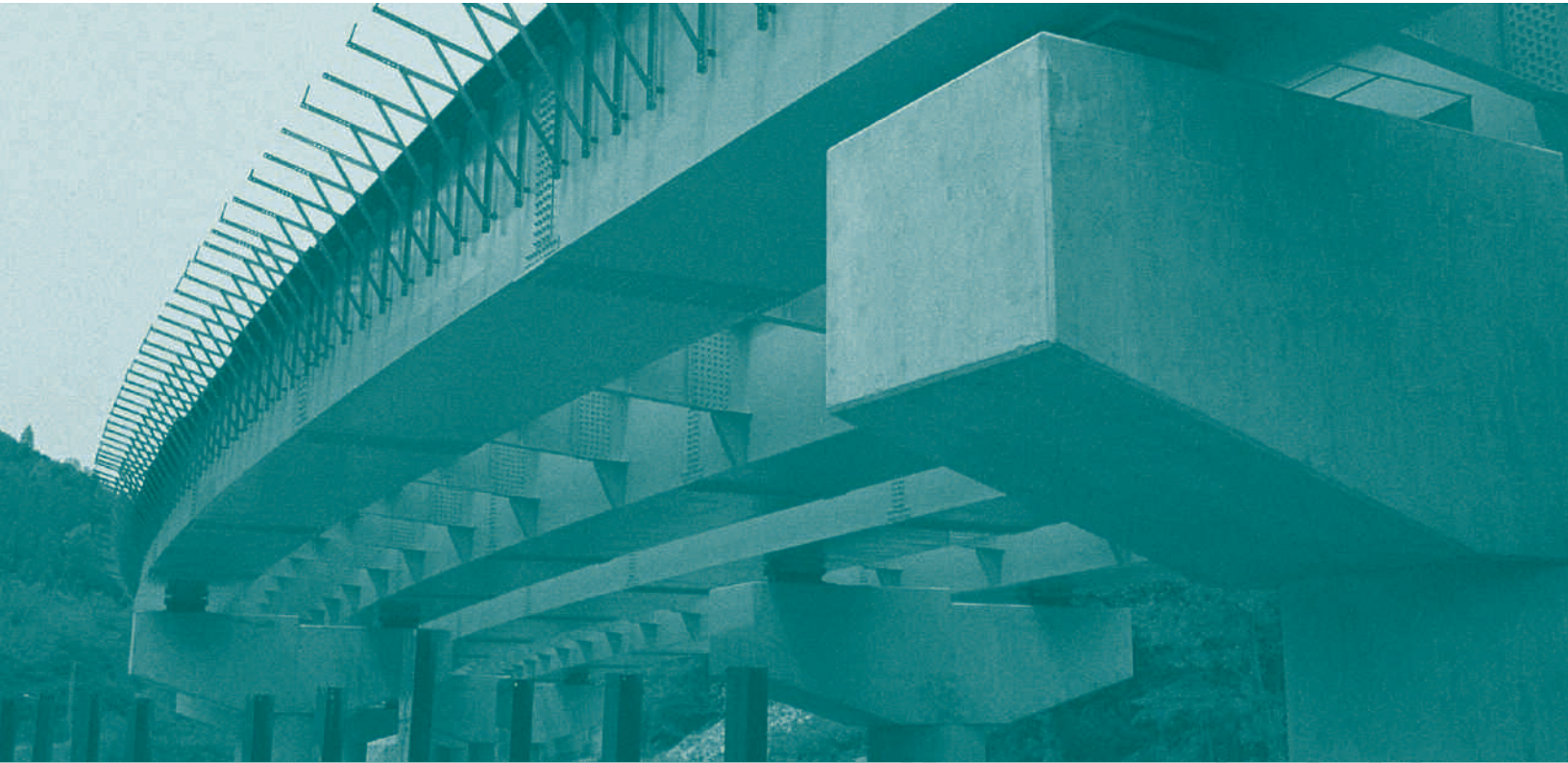


TEA-21 Reauthorization

transportation priorities for
Solano County, California



April 05

SOLANO TRANSPORTATION AUTHORITY

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April 2005

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To Our Representatives in Washington:

The Solano Transportation Authority (STA) is pleased to forward this report summarizing Solano County's TEA-21 Reauthorization funding requests.

Transportation issues remain a top concern for residents in Solano County, the San Francisco Bay Area's fastest growing county. The I-80/I-680/SR 12 Interchange project has been designated the number one priority for Solano County. Because of its strategic and economic importance for the movement of goods and interregional traffic, STA also submitted the project as an eligible candidate under "Projects of National and Regional Significance." Our three priority projects for the TEA-21 Reauthorization Program are:

- I-80/I-680/SR 12 Interchange
- Jepson Parkway (I-80 Reliever Route)
- Vallejo Intermodal Station

This report provides the history for each priority project, updates on funding, the status of each project, and details the STA's TEA-21 Reauthorization earmark requests. With your support providing federal funding for these projects, the STA will be able to complete these much needed transportation projects.

We appreciate your interest and support of Solano County's transportation priorities. If you have any questions, please contact Daryl Halls, Executive Director of the STA at 707.424.6075 or Mike Miller, The Ferguson Group, 707.254.8400.

Sincerely,

Mary Ann Courville, Chair
Solano Transportation Authority
Mayor, City of Dixon

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the San Francisco Bay Area



STA's Priority Projects

- 1 I-80/I-680/SR 12 Interchange
- 2 Jepson Parkway
- 3 Vallejo Intermodal Station



TEA-21 Reauthorization Summary: STA's Priority Projects

The STA is seeking federal TEA-21 reauthorization earmarks for the following projects:

1 I-80/I-680/SR 12 Interchange: \$50 million earmark request

- Most significant bottleneck on the entire I-80 corridor in Solano County.
- Recognized by the STA, California Department of Transportation (Caltrans), and the Metropolitan Transportation Commission (MTC) as the highest priority highway project in Solano County.
- Federal funding is needed to provide funds to complete the next project phases.
- State of California has fully funded the environmental and project report documents.
- STA has initiated the environmental study for the entire interchange project.

2 Jepson Parkway: \$23.21 million earmark request

- A multi-modal approach to provide local traffic with an alternative to I-80, using a 12-mile reliever route between I-80 and SR 12.
- Provides improved access to Travis Air Force Base and other current and emerging job centers.
- As a TEA-21 federal earmark, the STA and four local agencies have provided

state and local matching funds for the first 4 of 10 project segments.

- Two segments already constructed and two additional segments—the I-80/Leisure Town Interchange in Vacaville and Walters Road widening in Suisun City—are currently under construction.
- The next two phases of the project will be ready to commence final design and be under construction during the next four years of TEA-21 Reauthorization.

3 Vallejo Intermodal Station: \$8.2 million earmark request

- Centerpiece of the City of Vallejo's ambitious plans to rejuvenate its downtown and waterfront.

- Designed to facilitate the intermodal transfer between various modes of transportation (buses serving the downtown area and BART, ferry service to San Francisco, carpools, vanpools and pedestrians/bicyclists).
- Will accommodate the parking demand of 1,200 or more daily transit riders.
- Private and public investments will spur redevelopment opportunities and pedestrian amenities.
- Provides a complementary gateway and transportation hub that supports reuse of the commercial, mixed use and industrial projects planned for the adjacent Mare Island project.



About the STA

Mission Statement

To improve the quality of life in Solano County by delivering transportation projects to ensure mobility, travel safety, and economic vitality.

The STA Commitment

The Solano Transportation Authority (STA) was created under a Joint Powers Agreement to serve as the County's Congestion Management Agency to program federal, state and regional transportation funds.

The STA is responsible for transportation planning, coordination, and the financing of projects for its eight member jurisdictions. The STA also provides countywide planning for the development of roads, public transit, rideshare, rail, bicycle and pedestrian facilities and it operates the Solano Napa Commuter Information program and two transit services.

STA Board of Directors and Member Agencies

Board members and their alternates are appointed by their local jurisdiction to serve as representatives on the STA Board. Each jurisdiction also has staff representatives on the Technical Advisory Committee and the Solanolinks Intercity Transit Consortium. These two committees serve in an advisory capacity to the STA Board of Directors.

Member agencies include the cities of Benicia, Dixon, Fairfield, Rio Vista, Suisun City, Vacaville, and Vallejo, and Solano County.



About Solano County

Population

The Association of Bay Area Governments has projected that Solano County will have the largest percentage of population and job growth of any county in the Bay Area over the next 25 years. Its location between Sacramento and the Bay Area gives it strategic economic development importance for the region. Solano County's current population of about 423,000 is projected to increase to about 582,000 by 2030. By 2030, the total number of employed residents (about 269,000) will be substantially higher than the total number of jobs in the county (about 218,000).

Employment

Solano County's growing economy represents a diverse mix of traditional and emerging industries. In recent years, many large biotech manufacturing, medical device, seed production and biotechnology research and development firms have relocated to Solano County. The Solano Business Park in Fairfield is home to a growing "Candy Cluster," with Herman Goelitz Candy Company (Jelly Belly) and the Thompson Candy Company. Genentech, Inc., and Alza Corporation are among the nation's largest biotech companies and are now located in Vacaville.

Some other major employers who are located in Solano County include Valero Refining Company and West Coast Beauty Supply in Benicia; Dixon Canning Corporation, Kragen Auto Works and



Gymboree in Dixon; NorthBay Medical, Westamerica Bancorporation and Anheuser Busch Brewery in Fairfield; UPCO, Inc., and Response Insurance in Suisun City; and Six Flags Marine World, Kaiser Permanente Call Center, Touro University, and General Mills in Vallejo.

Travis Air Force Base, home to the 60th Air Mobility Wing, is the largest employer in Solano County.

Solano Traffic

Solano County is dissected by I-80 (connecting the Bay Area to Sacramento),

I-680 (connecting Contra Costa County and the Silicon Valley to Solano) and State Route 12 (connecting San Joaquin County to the North Bay).

Commute traffic on I-80, I-680, and State Route 12 is an increasingly critical transportation problem: a large number of Solano residents continue to travel to jobs in other counties while the many new major employers that have moved to Solano further clog the already congested major arterials.

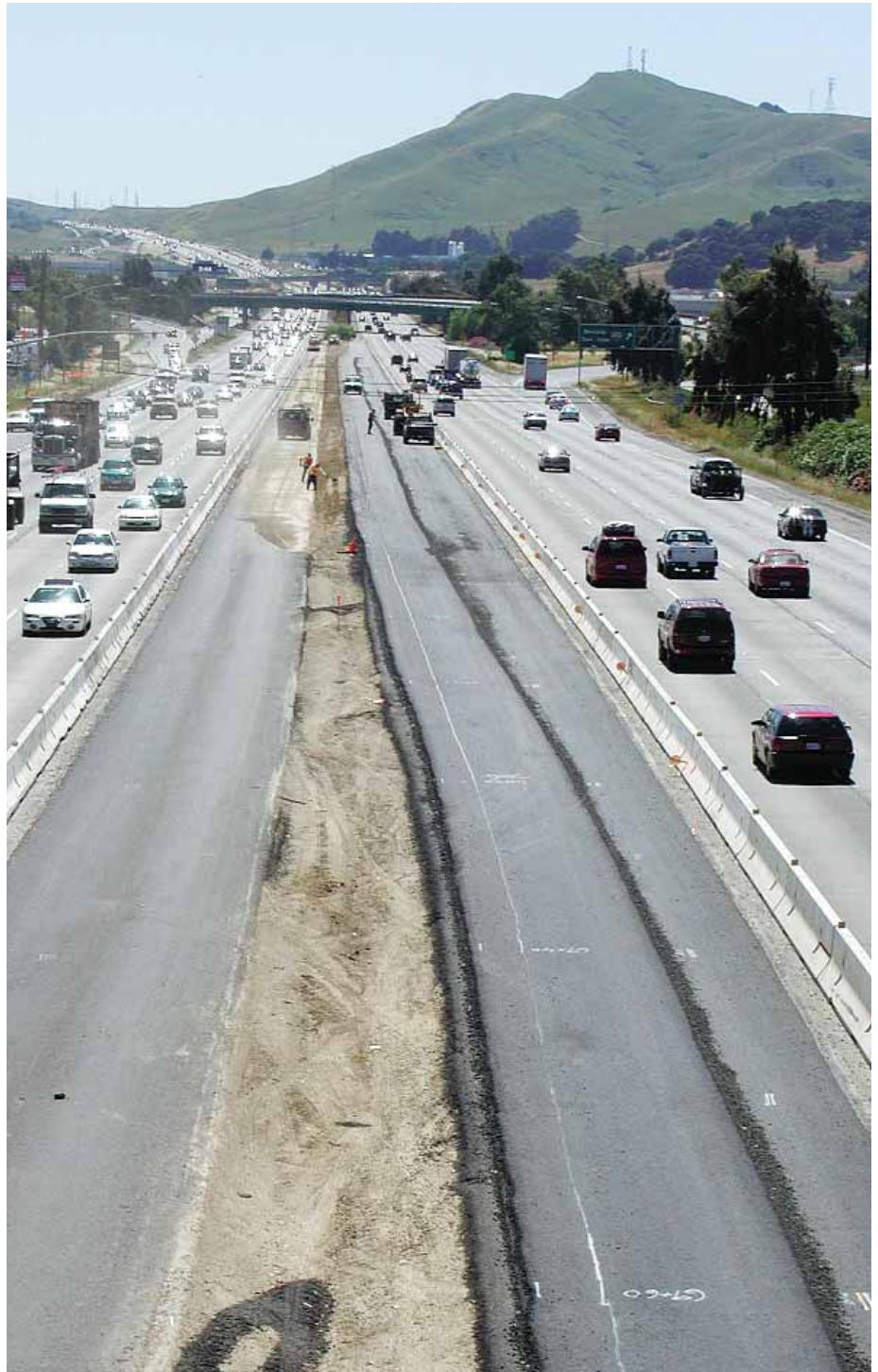
Project Delivery

STA's Commitment to Delivering Projects

Since TEA-21 was passed in 1998, STA and MTC fully programmed, obligated and, with the assistance of Caltrans, completed, or are in the process of completing, approximately \$40 million of federally funded transportation projects (STP and CMAQ), \$148 million of projects with combined federal/state funds (STIP), \$173 million of Regional Measure 2 capital bridge toll funds, and \$13 million of projects with state-only funds (Traffic Congestion Relief Program, or TCRP).

STA, Caltrans and MTC have a proven project delivery record with TEA-21, state and regional transportation projects

During the past few years, STA has made substantial progress delivering the initial phases of Solano County's federally funded priority projects, which are outlined on the following pages.



I-80/I-680/SR 12 Interchange

- The Phase 1 improvements to construct auxiliary lanes on I-80 from I-680 to SR 12 were programmed for \$14.3 million in State Transportation Improvement Program (STIP) funds and \$8.3 million of State Highway Operations and Protection Program (SHOPP) funds. This phase was constructed in 2004.
- The preparation of the Environmental Impact Statement/Report and Project Reports for improvements to the I-80/I-680/SR 12 Interchange are underway and are scheduled to be complete in 2007-08. This initial phase of total interchange improvements is funded by state-only TCRP funds (\$12 million).
- \$100 million in Regional Measure 2 Bridge Toll funds was approved by Bay Area voters for the I-80/I-680/SR 12 Interchange on March 2, 2004. These funds will be used to construct Phase 2 and 3 of the interchange: High Occupancy Vehicle lanes between I-680 and Air Base Parkway and the easterly portion of the North Connector between SR 12 East and SR 12 West.

Jepson Parkway

- \$69.8 million (including \$19.22 million of ISTEA and TEA-21 federal funds) have been committed to this project since 1998. Construction projects



have been completed on 2 of the 10 segments.

- The Walters Road Widening segment in Suisun City (Phase 3) and the I-80 Leisure Town Road Interchange in Vacaville (Phase 4) are both currently under construction.

Vallejo Station

- Environmental clearances for the project will be completed in 2005.

- Final design and right-of-way acquisition are scheduled for 2006. Construction will commence in 2007-08.
- The project has received \$6.4 million in federal appropriation funds, \$7.4 million in state funding, \$6 million in local funding and \$28 million in Regional Measure 2 funds.

Comprehensive Transportation Plan

STA's Multi-Modal Approach Builds on the Success and Flexibility of TEA-21

In 2002, the STA completed its first Comprehensive Transportation Plan (CTP), which proposes and plans for a number of critical highway and transit projects through 2025. The CTP is being updated in 2005 through 2030.

In 2004, the STA completed the I-80/I-680/I-780 Major Investment and Transit Corridor Studies, in consultation with Caltrans. The plans include the following major recommendations:

- Substantially improve the long range safety, operations and capacity of the I-80, I-680 and I-780 corridors for automobiles, trucks, buses, and ridesharing along with improving the safety and operations of State Routes 12, 37 and 113, major feeders to the Solano County interstate system. The I-80/680/12 Interchange and the Jepson Parkway (I-80 Reliever Route) projects are the two highest priority projects in Solano County.
- Expand the express bus, ferry and rail system in Solano County to provide efficient, economical and reliable travel alternatives for Solano County residents.
- Develop critical intermodal centers and transit hubs along each of the major Solano County corridors. The Vallejo Intermodal Station is the highest priority intermodal center planned in Solano County during the next four years.



TEA-21 Reauthorization is Critical for Solano County

- Traffic Congestion Relief
- Economic Stimulus
- Jobs

During the next four years, TEA-21 Reauthorization will have a tremendous and immediate impact on maintaining economic vitality in Solano County. STA has been quite successful in getting state funds to match and/or supplement previous federal earmark funds, and local agencies have also committed significant local funds. STA is also planning to provide additional local matching funds by taking a local transportation sales tax measure to Solano County voters in 2005 or 2006.

Caltrans and MTC estimate that for every \$20,000 of federal or state transportation funding, one new job will be added to the economy. For example, if \$50 million of federal funds are received from TEA-21 reauthorization for the next phase of the I-80/680/SR 12 Interchange design, right-of-way and construction activities, about 2,500 new jobs will be added to the local Fairfield, Vacaville and Suisun City economies. The \$8.2 million requested TEA-21 reauthorization funds for the Vallejo Intermodal Station will translate into nearly 400 new jobs in the Vallejo area. A strong Solano County economy also helps support the long-term viability of Travis Air Force Base.



V Transportation Projects Generate Jobs

PROJECT	FUNDING	NEW JOBS
1-80/I-680/SR-12	\$50 million	2,500
Jepson Parkway	\$23 million	1,150
Vallejo Station	\$8 million	400
Total	\$81 million	4,150

1 Project: I-80/I-680/SR 12 Interchange

Request

STA and its member agencies request a \$50 million earmark in the TEA-21 Reauthorization program legislation for design, right-of-way purchases and construction of the I-80/I-680/SR 12 Interchange Project in Solano County.

Background

The I-80/I-680/SR 12 Interchange is identified by the STA and its member agencies as Solano County's number one priority highway project. Currently, there are 190,000 daily trips through this interchange, an increase of about 25,000 daily trips since 1995. This extremely large volume of cars, trucks and buses results in peak hour traffic congestion every day in this location. The STA's Countywide Traffic Model is predicting an increase to 239,000 daily trips by 2010, due in part to the completion of the Benicia-Martinez Bridge improvement project scheduled for 2006. The Countywide Traffic Model projects over 300,000 daily trips traveling through the interchange by 2030.

This project is located on the only major route between the San Francisco Bay Area and Sacramento, making it both nationally and regionally significant. I-80 is a major commuter route to jobs in the Bay Area and Sacramento and a major truck route linking the Port of Oakland to the rest of the United States.

Improvements are critical to ensure efficient movement of goods via trucking for the northern United States, efficient



V Project History (project cost: \$769 million)

Total Secured Funding: \$176.6 million

ITIP/SHOPP (State)	\$26.2 million
SHOPP (State)	\$10.6 million
STIP (State)	\$11.8 million
TCRP (State)	\$13.0 million
Local	\$15.0 million
RM-2 (bridge tolls)	\$100 million

Project Activities

I-80/I-680/I-780 Corridor Study	\$1.5 million	Completed: 2004
Truck Scales Relocation Study	\$.2 million	Completed: 2004
Auxiliary Lane	\$22.6 million	Completed: 2004
Environmental (Full Interchange and North Connector)	\$11.8 million	Completion: 2007-08
Phase 2 Design/Right of Way	\$11.7 million	Completion: 2005-08
Truck Climbing Lane	\$10.0 million	Completion: 2006-07
North Connector	\$15.0 million	Completion: 2007-08

TEA 21 REAUTHORIZATION REQUEST: \$50 MILLION

- Design and right-of-way purchase for the Braided Ramp portion of the project
- Design and right-of-way purchase for HOV lane through the Interchange
- Design for the North Connector portion of the project
- Provide match for state and local funds for construction

access to Travis Air Force Base and connectivity between the State Capitol in Sacramento and the Bay Area.

Objective

The project will integrate High-Occupancy-Vehicle (HOV) lanes with additional travel lanes and an enhanced parallel local roadway system to relieve congestion, improve air quality and

facilitate goods movement on this major travel and truck route between the Port of Oakland, California and the northern United States.

Status

The Environmental Impact Study/Report for the full project was initiated in 2003 and is scheduled for completion in 2007-08.

This funding request is targeted to fully fund the next project phase, which will include Phase 3 design and right-of-way acquisition, and local and state funds for construction. The targeted funding request assumes the entire project will cost approximately \$769 million, but the project will be implemented in phases.

Project of National and Regional Significance

The I-80/I-680/SR 12 Interchange Project has also been submitted to Congress as a project of "National and Regional Significance" based on the following reasons:

- **Improves economic productivity** by facilitating international trade.
- **Relieves congestion** for regional and interstate drivers.
- **Improves transportation safety** by eliminating dangerous weave patterns at and near the existing truck scales located at Cordelia.
- **Creates jobs, expands business opportunities**, and will have a direct impact on the gross domestic product.
- **Improves and facilitates access** to Travis Air Force Base, home to the nation's key airlift wing on the West Coast.
- **Provides the major connection** between the State Capitol in Sacramento and the San Francisco Bay Area, the second largest metropolitan area in California.

A major component of the I-80/I-680/SR 12 Interchange project is to expand

and construct an entirely new Cordelia Truck Scales, in both the westbound and eastbound directions on I-80 in the Fairfield area, to replace the existing outdated truck scales constructed in 1958. The overall project cost is \$769 million. Full funding of the truck scales (including all required right-of-way, access ramp structures and high tech facilities) will exceed \$200 million.

Because of the economic importance of these truck scales to the state, Homeland Security concerns, and the large amount

of goods that come from and go to the Port of Oakland every day, this is an excellent candidate project for the "National and Regional Significance" program. The type and size of improved truck scales facility to meet projected demands from 2005 through 2040 was clearly identified in the STA's "Cordelia Truck Scales Relocation Study," dated February 16, 2005 and the "Regional Goods Movement Study for the San Francisco Bay Area" conducted by the Metropolitan Transportation Commission (MTC) in 2004.



2 Project: Jepson Parkway (I-80 Reliever Route)

Request

STA, Solano County and the cities of Fairfield, Suisun City and Vacaville, request a \$23.21 million earmark in the TEA-21 Reauthorization legislation for the Jepson Parkway project.

Background

The Jepson Parkway (I-80 Reliever Route) is an innovative, multi-modal corridor planned to connect I-80 in Vacaville to Highway 12 in Suisun City. The project

provides a 12-mile corridor alternative for local traffic between the cities of Vacaville, Fairfield and Suisun City and also directly serves Travis Air Force Base. Currently, about \$70 million in funding has been obtained for the \$142 million project.

The project will provide an essential north-south connection in Solano County that will:

- Support the continued vitality of Vacaville, Fairfield and Suisun City, as well as Solano County

- Serve emerging job centers, Travis Air Force Base, and local destinations such as area schools
- Keep 15,000-20,000 daily trips off I-80 by 2025

The project has been sectioned into 10 segments for funding and phasing purposes. Currently, 4 of the 10 segments are fully funded and 2 have been constructed, and 2 segments are under construction.



Objectives

The project will meet the objectives identified in the Jepson Parkway Concept Plan developed by the STA in 2000. The project includes various multi-modal transportation improvements along a 12-mile corridor connecting the cities of Fairfield, Suisun City, Vacaville and the County of Solano (unincorporated areas) from I-80 to State Route 12. The objectives include safety improvements at various locations, relief from existing and forecasted traffic congestion, improved and new bus transit, bicycle and pedestrian facilities, and a grade-separated crossing of the Union Pacific Railroad.

Status

The Leisure Town Road extension and the Cement Hill Road/Peabody/Vanden Road intersection segments have been completed and two other major segments of the project are now under construction, including Walters Road widening in Suisun City and the I-80/Leisure Town Interchange in Vacaville. These segments will be completed in 2005 and 2006 respectively.

For the balance of the project, a NEPA 404 process is complete and the Draft Environmental Impact Report/Study is scheduled to be completed in 2005.

V Project History (project cost: \$141.6 million)

Total Secured Funding: \$69.8 million

Local	\$27.6 million
STIP	\$23 million
Federal (ISTEA and TEA-21)	\$19.2 million

TEA 21 REAUTHORIZATION REQUEST: \$23.21 MILLION

- Travis Air Force Base North and South Gate Access Improvements
- Walters Road Extension and Peabody Road/Union Pacific Railroad Grade Separation
- Remaining Walters Road Widening (Fairfield - Air Base Parkway to E. Tabor Road)
- Completion of Vanden Road/Leisure Town Road Widening



3 Project: Vallejo Intermodal Station



Request

STA and the City of Vallejo request a \$8.22 million earmark in the TEA-21 Reauthorization legislation for the Vallejo Intermodal Station.

Background

The Vallejo Intermodal Station will be the primary transit terminal in the North Bay, facilitating congestion free transit for 15,000 daily transit riders. Vallejo Station will support both the Baylink Ferry system and the regional express bus network by providing 1,200 off street parking spaces for passengers, a relocated bus transfer facility, roadway access improvements, and bicycle and pedestrian connections between downtown Vallejo, the Vallejo Intermodal Station and the waterfront area.

Vallejo Intermodal Station's surrounding land uses will transition to residential and "live work space," small retail, offices, restaurants, open space, and a

renewed and dynamic downtown. The proposed bus transfer facility will accommodate both local and regional buses and will be located adjacent to a 1,200-space parking structure, key to the Vallejo Intermodal Station project. Vallejo Intermodal Station will link a comprehensive network of local and regional buses to the Vallejo Baylink Ferry. Regional express buses will fan out from this location to Napa Valley, to key BART stations in Contra Costa

County and along I-80 to Fairfield, Vacaville, Davis, and Sacramento.

Objective

The Vallejo Intermodal Station is designed to support the construction of office, retail and housing development, including live-work communities. The project is a cornerstone of revitalization efforts in downtown Vallejo. Public investment in transportation improvements will act as a catalyst for attracting private-sector investment in Vallejo's downtown and along the waterfront.

The project is regionally significant because it will help reduce congestion on I-80, the primary corridor for goods movement between the Port of Oakland and the northern United States.

Status

The Environmental Impact Report is scheduled for completion in 2005, right-of-way in 2006 and construction is scheduled to begin in 2007-08.

V Project History (project cost: \$56 million)

Total Secured Funding: \$47.78 million

STIP (State)	\$7.4 million
Local	\$6.0 million
Federal	\$6.38 million
Regional (RM-2)	\$28 million

TEA 21 REAUTHORIZATION REQUEST: \$8.22 MILLION

- Construction of a 1,200-space parking facility
- Relocated bus transfer facility, roadway access improvements, bicycle and pedestrian connections



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